

**Shell**

# MATERIAL SAFETY DATA SHEET

JUN 16 1982

MSDS NUMBER 56,230-2

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S-11765-1 (2-80)

DPM 317

SECTION I		NAME	24 HOUR EMERGENCY ASSISTANCE														
PRODUCT	AEROSHELL® Grease 5		SHELL 713-473-9461	<table border="1"><tr><td>HEALTH</td><td>1</td></tr><tr><td>FIRE</td><td>1</td></tr><tr><td>REACTIVITY</td><td>0</td></tr></table>	HEALTH	1	FIRE	1	REACTIVITY	0							
HEALTH	1																
FIRE	1																
REACTIVITY	0																
CHEMICAL/ SYNONYMS	Lubricating Grease		CHEMTREC 800-424-9300														
CHEMICAL FAMILY	Hydrocarbon		HAZARD RATING														
SHELL CODE	70025	C.A.S. NUMBER	Mixture	<table><tr><td>LEAST</td><td>SLIGHT</td><td></td></tr><tr><td>0</td><td>1</td><td></td></tr><tr><td>MODERATE</td><td>HIGH</td><td>EXTREME</td></tr><tr><td>2</td><td>3</td><td>4</td></tr></table>		LEAST	SLIGHT		0	1		MODERATE	HIGH	EXTREME	2	3	4
LEAST	SLIGHT																
0	1																
MODERATE	HIGH	EXTREME															
2	3	4															

SECTION II INGREDIENTS		
COMPOSITION	%	TOXICITY DATA
AEROSHELL Grease 5	100	Not Determined
Petroleum Hydrocarbons	88	Oral LD <sub>50</sub> , rat > 5 g/kg Dermal LD <sub>50</sub> , rabbit > 2 g/kg
Inorganic Clay Thickener	6	
Fatty Amides	3	
Aromatic Amines	1	Oral LD <sub>50</sub> , rat > 34 g/kg
Dicarboxylic Acid	1	
Mineral Acid	0.5	
Sodium Hydroxide	0.5	

SECTION III	HEALTH INFORMATION
<p>Exposure to vapors of this product may cause pulmonary irritation, dizziness, and nausea. Prolonged or repeated contact may cause various skin disorders such as dermatitis, folliculitis or oil acne.</p> <p>The petroleum hydrocarbons in this product are a complex mixture of paraffinic, naphthenic and aromatic hydrocarbons. As in other petroleum oils, the aromatics contain polycyclic compounds of various concentrations and structures. Some of these polycyclics may be those which have been shown to induce cancer in animals under laboratory conditions. Epidemiologic studies on other petroleum products containing polycyclic aromatics suggested the possibility of skin cancer induction in man after prolonged and repeated contact. Inhalation of mists arising from oils containing these materials may also present a cancer hazard.</p> <p>This specific product has not been tested in long-term, chronic exposure tests. Therefore, the presence of polycyclic aromatic hydrocarbons requires that handling procedures and safety precautions in this MSDS be followed to minimize employee's exposure.</p>	

SECTION IV	OCCUPATIONAL EXPOSURE LIMITS
None established.	



# Material Safety Data Sheet

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PAGE 2 OF 4**SECTION V****EMERGENCY AND FIRST AID PROCEDURES**

**SKIN:** Remove product by wiping or applying waterless hand cleaner, followed by washing with soap and water.

**EYE:** Flush with water for at least 15 minutes.

**INGESTION:** Consult medical personnel.

**SECTION VI****PHYSICAL DATA**

BOILING POINT (°F) ► N.A.	MELTING POINT (°F) ► N.A.	VAPOR PRESSURE (mmHg) ► N.A.
SPECIFIC GRAVITY (H <sub>2</sub> O = 1) ► N.A.	% VOLATILE BY VOLUME ► N.A.	VAPOR DENSITY (AIR = 1) ► N.A.
SOLUBILITY IN WATER ► Negligible	EVAPORATION RATE (BUTYL ACETATE = 1) ► N.A.	N.A. = Not Available

**APPEARANCE AND ODOR**

Dark amber, smooth grease. Slight odor.

**SECTION VII****FIRE AND EXPLOSION HAZARDS**

FLASH POINT AND METHOD USED	FLAMMABLE LIMITS/% VOLUME IN AIR	LOWER	UPPER
550°F PMCC for base oil	►	N.A.	N.A.

**EXTINGUISHING MEDIA**

Dry chemical type preferred.

**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS**

None special.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

None unusual.



# Material Safety Data Sheet

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SECTION VIII		REACTIVITY	
STABILITY ▶ <input type="checkbox"/> UNSTABLE <input checked="" type="checkbox"/> STABLE	HAZARDOUS POLYMERIZATION ▶ <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR		
CONDITIONS AND MATERIALS TO AVOID None special.			
HAZARDOUS DECOMPOSITION PRODUCTS NO <sub>x</sub> , CO and other unidentified oxygenates can be formed during combustion.			

SECTION IX	EMPLOYEE PROTECTION
RESPIRATORY PROTECTION Use NIOSH approved respiratory protection as required to minimize exposure to hot vapors.	
PROTECTIVE CLOTHING Use oil resistant gloves and other clothing as needed to minimize skin contact.	
ADDITIONAL PROTECTIVE MEASURES None special.	

SECTION X	ENVIRONMENTAL PROTECTION
SPILL OR LEAK PROCEDURES Scoop up excess grease. Clean area with appropriate cleaner.	
WASTE DISPOSAL Bury or incinerate in compliance with appropriate regulations.	
ENVIRONMENTAL HAZARDS This product is considered an "oil" under the Clean Water Act. KEEP OUT OF SURFACE WATERS AND ANY WATERCOURSES OR SEWERS ENTERING OR LEADING TO SURFACE WATERS. See Section XIII.	



# Material Safety Data Sheet

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**SECTION XI****SPECIAL PRECAUTIONS**

Laundry contaminated clothing before using. Discard leather goods if they cannot be decontaminated.

Wash before eating or smoking. Minimize skin contact.

Observe good personal hygiene.

**SECTION XII****TRANSPORTATION REQUIREMENTS**

DEPARTMENT  
OF  
TRANSPORTATION  
CLASSIFICATION

☐ FLAMMABLE LIQUID☐ COMBUSTIBLE LIQUID☐ OXIDIZING MATERIAL☐ NON-FLAMMABLE  
GAS☐ FLAMMABLE SOLID☐ POISON, CLASS A☐ CORROSIVE MATERIAL☒ NOT HAZARDOUS BY  
D.O.T. REGULATIONS☐ FLAMMABLE GAS☐ POISON, CLASS B☐ IRRITATING MATERIAL☐ OTHER—Specify below

D.O.T. PROPER SHIPPING NAME

None

OTHER REQUIREMENTS

Bill of Lading Commodity Description: Petroleum Lubricating Grease

**SECTION XIII****OTHER REGULATORY CONTROLS**

EPA, FDA, OSHA, USDA, CPSC, Etc.

This product contains hydrocarbons classified as an "oil," a hazardous substance under Section 311 of the Clean Water Act. Spills entering (a) surface waters or (b) any watercourses or sewers entering or leading to surface waters MUST be reported immediately to the National Response Center, 800-424-8802.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Come to  
Shell for answers



  
Manager

SHELL OIL COMPANY  
PRODUCT SAFETY AND COMPLIANCE  
OIL AND CHEMICAL PRODUCTS  
P. O. BOX 4320  
HOUSTON, TEXAS 77210

DATE PREPARED

April 9, 1980